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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

VU, THANH T

ART UNIT	PAPER NUMBER
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2174

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	02/08/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

09/989,397

Applicant(s)

YU, WON-UK

Examiner

Thanh T. Vu

Art Unit

2174

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 September 2006.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

This communication is responsive to Amendment, filed 09/13/2006.

Claims 1-30 are pending in this application. In the Amendment, claims 1, 6, 13, 18 were amended. Claims 25-30 were added.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-30 are rejected under 35 U.S.C. 103(a) as being unpatentable over Rosin (US 6,411,307) and Rosin et al. (Pub. No. 2001/0012024), Maeckel et al. ("Maeckel", U.S. Pat. No. 6,518,984), and Cox et al. ("Cox" U.S. Pat. No. 5,907,845).

As per claim 1, Rosin '307 teaches a method for displaying at least one of a video or audio information of an Internet site on the screen of a video apparatus, comprising: generating an Internet site search menu when an internet channel guide key is signaled by the user (col. 4, lines 38-44), said search menu including a channel guide window for arranging channel numbers, corresponding to previously registered addresses of Internet sites and titles of the internet sites (Figs. 5 and 7, *guide page*, col.2, lines 52-67; col.7, lines 9-17, *preselected and precategorized web pages of interest*).

Rosin '307 does not specifically teach displaying the Internet site search menu on the screen of the video apparatus wherein a channel number has a one to one correspondence to a

Art Unit: 2174

title of an Internet site, and the one-to-one correspondence remains fixed until user modification, and a channel number range designation window for arranging the channel numbers wherein the channel number range designation window includes a plurality of displayed groups of channel numbers, each displayed group having a prescribed range of channel numbers, which is different for each displayed group, and the channel numbers arranged within the channel guide window correspond to the prescribed range of one of the displayed groups that is selected by the user.

However, Rosin's publication teaches titles of the Internet sites respectively corresponding in a one-to-one correspondence to the channel numbers, and displaying the Internet site search menu on the screen of the video apparatus wherein the one-to-one correspondence remains fixed until user modification (figs. 1, 3 and 4; [0033]; [0036]; [0040]), and a channel number range

designation window for arranging the channel numbers (figs. 1 and 3). Maeckel teaches the channel number range designation window includes a plurality of groups of channel numbers, each group having a prescribed range of channel numbers, which is different for each group, and the channel numbers arranged within the channel guide window correspond to the prescribed range of the group selected by the user (figs. 3 and 9B; col. 7, lines 32-47). Cox teaches a

window includes a plurality of displayed groups of numbers each displayed group having a prescribed range of numbers, which is different for each displayed group (fig. 2). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to include additional information corresponding to a channel as taught by Rosin's Publication, a range designation window as taught by Maeckel, and a plurality of displayed range as taught by Cox in the invention of Rosin '307 in order to provide a user with guide for enabling the user to navigate among a plurality of internet websites of interest to the user, to obtain access to a

Art Unit: 2174

selected one of the plurality of internet websites, and to customize the guide to further enable access to relevant internet websites, in a convenient and efficient manner, in order to provide a range control that allows easy selection of a record range to be viewed, and in order to provide an easy viewing of search result by providing plurality of displayed groups of numbers each displayed group having a prescribed range numbers.

As per claim 2, Rosin teaches displaying an initial screen of the recently stored Internet site on the screen of the video apparatus when the user selects an Internet mode (Fig.8, col.9, lines 36-48, *internet web pages presented as distinct channels; col.2, lines 52-60, internet content channel is selected and displayed*).

As per claim 3, Rosin teaches wherein the initial screen of the Internet site is periodically updated and stored by obtaining the content information from the internet site(col.7, lines 23-29, *guide page periodically updated*).

As per claim 4, Rosin teaches wherein the Internet site search menu further comprises a channel update selection window for periodically updating the video and audio information of the Internet site corresponding to the channel number desired by the user among the channel numbers (col.7, lines 18-29, *templates, guide page may be modified, adapted, updated*).

As per claim 5, Rosin teaches wherein the video apparatus is a television, in which an armored set-top box or an Internet module is loaded (Fig.1, col.4, lines 19-23, *set-top box 12 which is connected to or integrated within a television appliance*).

As per claim 6, Rosin teaches wherein the one of displayed groups that is selected by the user among plurality of displayed groups is displayed to be different from the displayed groups

Art Unit: 2174

that are not selected by the user in color and brightness and to have a three-dimensional outline (Figs. 5 & 6, col.7, line 46-col.8, line 4, *predetermined links are highlighted*; Fig.8, col.9, lines 49-60, *rotary wheel menu 80 appear to occupy three dimensional space*) .

As per claims 7-8, Rosin teaches wherein the Internet site search menu further comprises a goto window including goto keys for moving to the addresses of the Internet sites corresponding to the channel numbers (Fig.6, *GOTO URL*) and displaying the channel number corresponding to the goto key selected by the user among the goto keys in the form of an on screen display (OSD) (col.8, lines 27-34, *page or document at the URL is displayed*).

As per claims 9-10, Rosin teaches wherein the Internet site search menu further comprises a modification window (col.7, lines 18-28, *templates, the guide page may be modified, adapted, and updated*). Rosin does not specifically disclose a registration and deletion window including a registration key for registering the Internet site desired by the user by a channel number, and a deletion key for deleting the Internet site. Official Notice is given that the use of a registration and deletion key is well known in the art. It would have been obvious to an artisan at the time of the invention to combine the use of these keys to allow users to modify and update their selection choices.

As per claim 11, the modified Rosin teaches the method of displaying video and audio information of an Internet site on the screen of a video apparatus and modification and updating of such information (col.7, lines 18-28, *templates, the guide page may be modified, adapted, and updated*). The modified Rosin does not specifically teach wherein a deletion warning message is displayed on the screen of the video apparatus and the corresponding Internet channel is deleted

Art Unit: 2174

when the user clicks a deletion key in the registration/modification/deletion window. Official Notice is given that the use of deletion warning message is notoriously well known in the art. It would have been obvious to an artisan at the time of the invention to combine the use of deletion warning messages in order to alert the user prior to finalizing their selection choices.

As per claim 12, Rosin's publication teaches the method of claim 9, further comprising: the user respectively assigning channel numbers to one or more Internet sites and registering the channel numbers through the registration/modification/deletion window; and storing the addresses of the internet sites corresponding to the registered channel numbers (figs. 1-3; [0036]).

Claims 13-20 are similar in scope to claims 1-8 respectively and therefore are rejected under similar rationale.

Claims 21-24 are similar in scope to claims 9-12 respectively and therefore are rejected under similar rationale.

As per claim 25, Rosin's Publication teaches the method of claim 1, wherein the channel numbers of the channel guide window are arranged in column, and the channel numbers are increased for top to bottom of the search menu (fig. 1 channel numbers 1-8).

As per claim 26, Rosin teaches the method of claim 7, wherein each goto key of the goto window is associated with the internet site corresponding to the channel number (figs. 1 and 3; [0033]; web channel key 22).

Claim 27 is rejected under the same rationale as claim 25.

Claim 28 is rejected under the same rationale as claim 25.

Art Unit: 2174

Claim 29 is rejected under the same rationale as claim 26.

Claim 30 is rejected under the same rationale as claim 25.

Response to Arguments

Applicant's arguments with respect to the amendment have been considered but are moot in view of the new ground(s) of rejection.

Inquiries

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thanh T. Vu whose telephone number is (571) 272-4073. The examiner can normally be reached on Mon-Thur and every other Fri 8:30 AM - 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kristine L. Kincaid can be reached on (571) 272-4063. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

T. Vu


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